

- Y2K integration testing is not validating the results of unit testing. A tester should review the documents associated with unit testing and may use them as a basis for the integration testing. In some instances, the tester may find omissions of, or inconsistencies in, required data in the unit test reports. In these instances, the tester should work to resolve these discrepancies because inaccurate unit test reports could invalidate the integration testing efforts.
- Some applications may not coexist on the same operational system. For example, different versions of Microsoft Office will not coexist on the same testing system at the same time. Therefore, two tests must be conducted for each system. For example, integration testing should be conducted with one version of MS Office and all other applications, then with a different version of MS Office and all other applications. ♦

About the Author



William H. Dashiell is a computer scientist at the Department of Defense National Imagery and Mapping Agency. He has worked on the development of software testing by statistical methods using binomial models, coverage designs, mutation testing, and usage models. He has contributed to the development of conformance and testing protocols for federal, national, and international information technology standards. He has a bachelor's degree in business administration and education, a master's degree in education technology, and a doctorate in mathematics education from the University of Maryland. He also has a master's degree in computer science from Hood College in Maryland.

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Further Readings

1. U.S. General Accounting Office, Accounting and Information Management Division; GAO/AIMD-10.1.21. Year 2000 Computing Crisis: A Testing Guide; Exposure Draft; June 1998.
2. URL: <http://www.nist.gov/y2k/datetest.htm> (Test Assertions for Date and Time Functions).
3. URL: <http://www.state.de.us/ois/y2000/testplan.htm> (Year 2000 Conversion Directive Test Plan).
4. URL: <http://www.microsoft.com/technet/topics/year2k/default.htm> (Microsoft Year 2000 Readiness Disclosure and Resource Center Web site).
5. URL: <http://tecnet0.jcte.jcs.mil:9000/htdocs/teinfo/directives/soft/ds2167a.htm> (DoD-STD-2167A Defense System Software Development).
6. URL: <http://www.stsc.hill.af.mil/Crosstalk/crosstalk.html>

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